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Lloyd's Register
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CABLE ADDRESS:
"DOCK, NAGASAKI"
BENTLEY'S COMPLETE PHRASE CODES, SHIPBUILDING &
ENGINEERING PRIVATE CODES & KENDALL'S CODES.

Nagasaki Works, Mitsubishi Zosen Kaisha, Ltd.

(Ex-Mitsubishi Dockyard & Engine Works, Nagasaki.)

ALL COMMUNICATIONS TO BE ADDRESSED TO
"THE GENERAL MANAGER."

NAGASAKI, Nov. 5th 1929.

VIA

C.S. No. 40.

The Surveyors,
Lloyd's Register,
Present.

Dear Sirs,

S. NO. 450.

FINISHED DRAWING OF HULL DEP'T.

Herewith we have pleasure in enclosing the above drawings as per list attached, which we trust you will find in order.

we beg to call your attention that the following plans are not submitted, as you will kindly find them all in our finished plans of construction profile & deck, already sent the other day.

Bow and stern construction plan.

Pillars, Pillar girders & Cargo hatch way etc. plan.

Deck house plan.

Lloyd's framing plan.

Yours faithfully,

NAGASAKI WORKS, MITSUBISHI ZOSSEN KAISHA, LTD.,

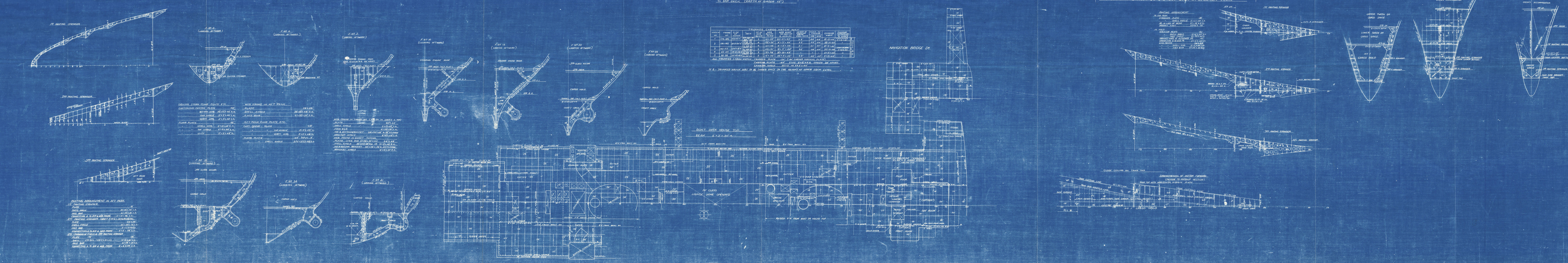
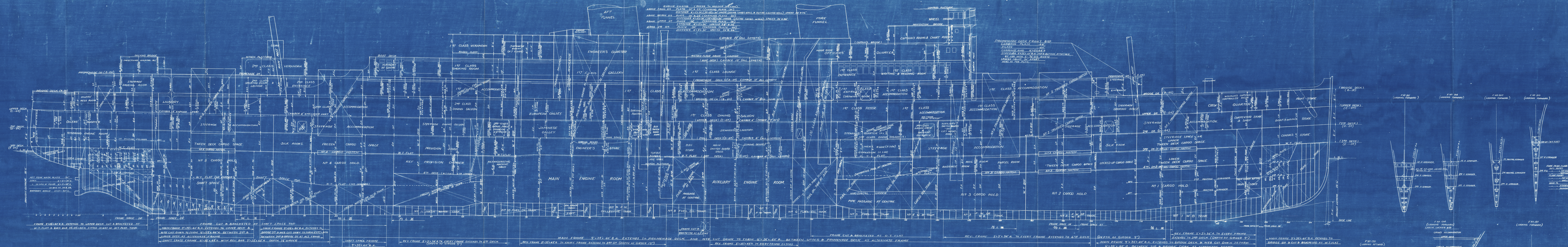
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Encl/ 1 list, 26 B.P.
Copy - S, D.O.



7/11/29
CHIEF BUSINESS OFFICE

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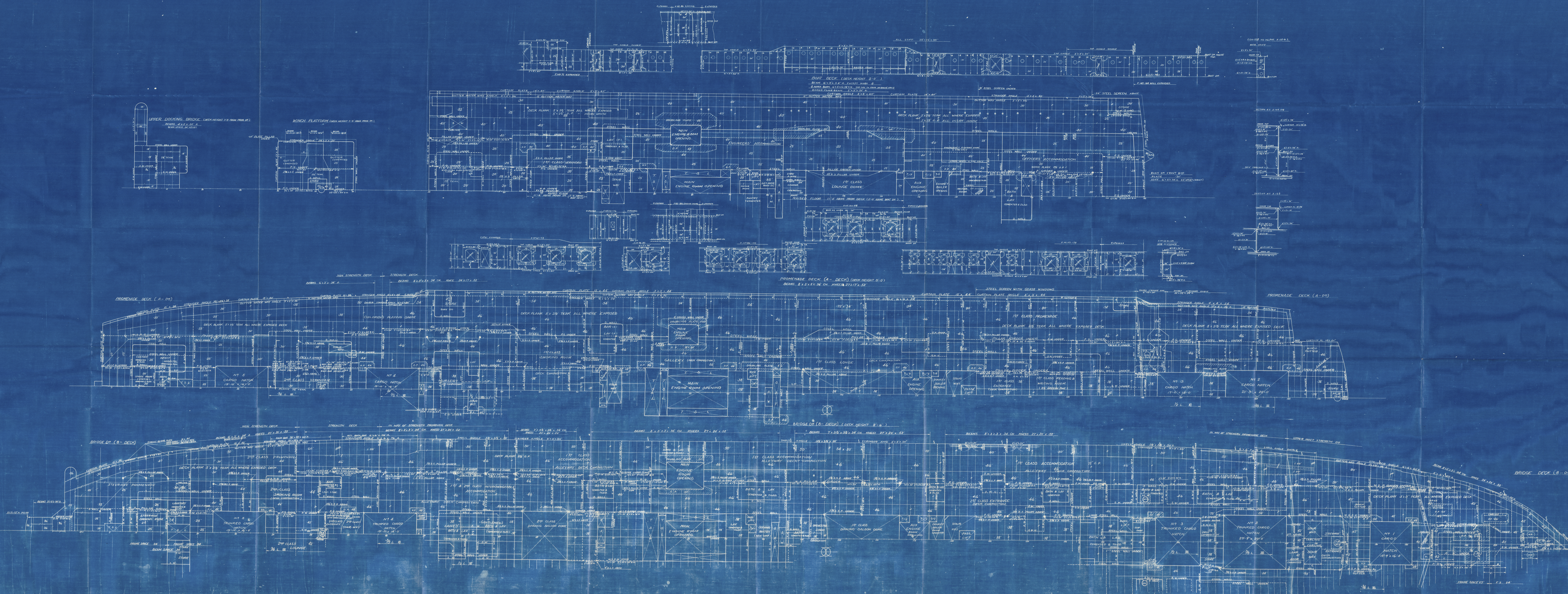
Model Vessel "A S A M A M A R U"
Tosagaki Seppou No. 2691.

S.N. 450-1
M.S. "ASAMA-MARU"
M.S. "TATSUTA-MARU"
CONSTRUCTION
PROFILE & DECK
PLAN
(SHEET 1)
SCALE 1/8" INCH TO 1 FOOT
(FINISHED PLAN)



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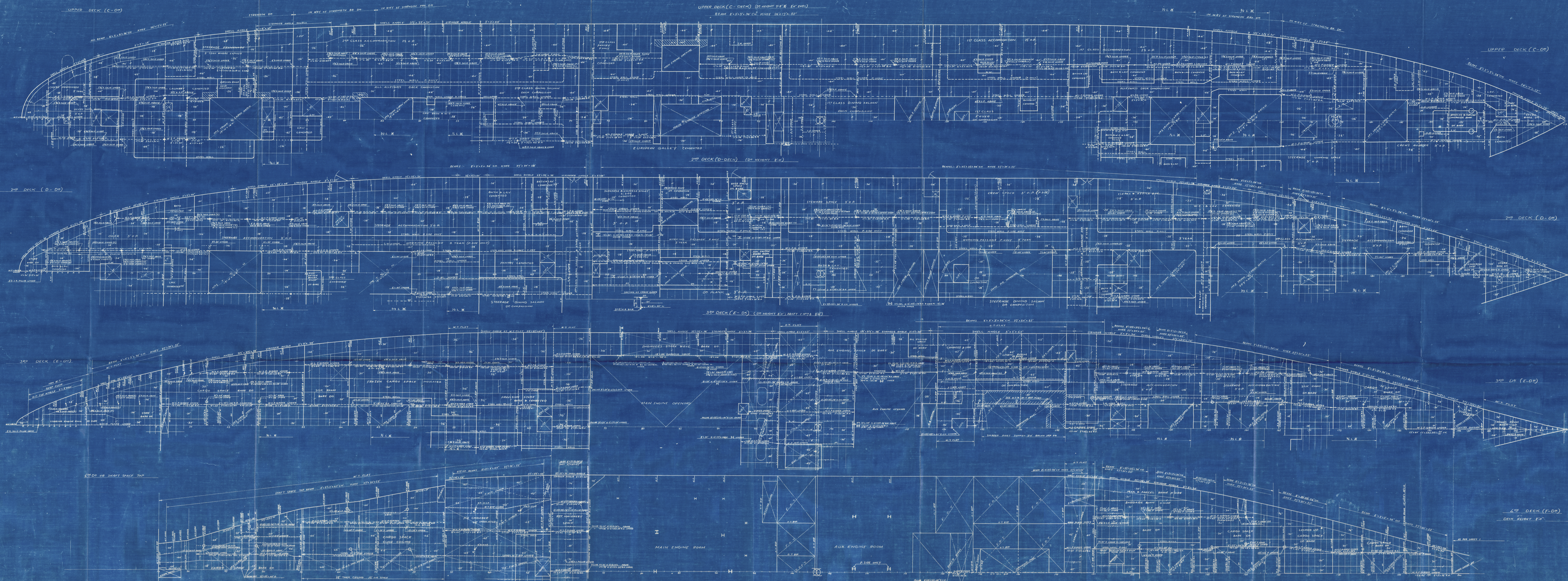
LR-FAF-TB26-P-23



Motor Vessel "A SAMA MARU"
Harasaki Report No. 1091.

S. Nos 450-1
M.S. "ASAMA-MARU"
M.S. "TATSUTA-MARU"
CONSTRUCTION
PROFILE & DECK
PLAN.
(SHEET II)
SCALE 1/8 INCH TO 1 FOOT
(FINISHED PLAN)





Motor Vessel "A S A M A"
Report No. 1891.

SN 450-1.
M.S. "ASAMA-MARU"
M.S. "TATSUTA-MARU"
CONSTRUCTION
PROFILE & DECK
PLAN
(SHEET III)
SCALE 1/8 INCH TO 1 FOOT
(FINISHED PLAN)

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LR-FAF-TB26-P-27

S. N^{os} 450-1
M. S. "ASAMA-MARU."
M. S. "TATSUTA-MARU."
MIDSHIP SECTION.
SCALE 1/2 INCH TO 1 FOOT.
(FINISHED PLAN.)

BOAT DECK HOUSE TOP	
PLATE	25" x 20"
DECK PLANK	2 1/2" TEAK WHERE EXPOSED
BEAM	5" x 3" x 30' A. TO EVERY FRAME
CURTAIN PL.	10" x 34"
STRINGER ANG.	3" x 2 1/2" x 34' A.

BOAT DECK :	
CURRENT PLATE	14" x 36"
STRINGER PLATE	60" x 36"
" ANGLE	3" x 3"
DECK PLATE	40" OR 75" ABREAST OPENINGS & 20" INSIDE LINE OF OPENINGS
DECK PLANK	2" TEAK WHERE EXPOSED
	2" O.P. INSIDE DECK HOUSE
BEAM	6" x 36" A. TO EVERY FRAME
	6" x 36" 3" CH. UNDER BOAT DWITIA CASE

	PROMENADE DECK (A-DK)
CURTAIN PLATE	15" x 44"
STRINGER PLATE	54" BREADTH ASPER PLAN.
" ANGLE	6" x 6" x 3/4"
DECK PLATE	40" REARST OPENINGS & 38" INSIDE LINE OF OPENINGS
" PLANK	5" TEAK WHERE EXPOSED AND 22" O.P. OR DECK COMPOSITION INSIDE DECK MOUTHS
FOR THE SCANTLINGS STARTED REFER TO DECK PLAN	

BRIDGE DECK (B-DK)	
STRINGER PLATE	54" x 50"
" ANGLE	3 1/2" x 3 1/2" x 50"
DECK PLATE	3/8" MINIMUM DRILLINGS & 3/8" INSIDE LINE OF OPENINGS
" PLANK	2 1/2" (APPROX) 2" FORWARD TRAIL WHERE EXPOSED & 2 1/2" OR DECK COMPOSITION WHERE SHELTERED
FOR THE SCALING AT TENDS REFER TO DECK PLAN	

	UPPER DECK	(C - DM)
STRINGER PLATE	5/4" x 4/4"	
"	3/8" x 3/8" x 50"	
DECK PLATE	1/2" x 4" x 4" x 50"	
	1/2" x 4" x 4" x 50"	
DECK PLANK	3" TEAK WHERE EXPOSED & 2 1/2" O.P. OR	
	DECK COMPOSITION WHERE SHELTERED	
FOR SCANTLING AT ENDS REFER TO DECK PLAN.		

2ND DECK (D-DK)	
STRINGER PLATE	54" x 34"
" "	35" x 35" x 38"
DECK PLATE	28" (SHEATHED)
" PLANK	3" OR DECK COMPOSITION
FOR SCANTLINGS AT ENDS REFER TO DECK PLAN.	

RIVETING NOTE			
END CONNECTION			
KEEL	FOR #1 M DOUBLE BUTT STIFFENERS 4.5 R	AT ENDS DOUBLE BUTT STIFFENERS 4.5 R	
BOTTOM SIDE PLATING	LAPPED 6.5 R	LAPPED 6.5 R	
ROSS PLATE	DOUBLE BUTT STIFFENERS 4.5 R	DOUBLE BUTT STIFFENERS 4.5 R	
INNER BOTTOM H/L STRAKE INNER BOTTOM	LAPPED 4.5 R	LAPPED 4.5 R	
INNER BOTTOM	" 3.0 "	" 3.0 "	
INNER BOTTOM	" 3.0 "	" 3.0 "	
STIFFENING STRAKES	" 4.5 "	" 4.5 "	
CENTRE GIRDER	" 4.5 "	" 4.5 "	
CONTINUOUS GIRDER	" 3 R "	" 3 R "	
STAY & PROMENADE GIRD CURTAIN PLATE	BUTT STIFFENED 2.0 R	BUTT STIFFENED 2.0 R	
BOAT DECK	STIFFENERS PLATE LAPPED 2.5 R		
BOAT DECK PLATE	" 2.5 R		
PROMENADE GIRD	" 3.0 "		
STIFFENERS PLATE	" 3.0 "		
PROMENADE DECK PLATE	" 2.5 R		
BRIDGE DECK	STIFFENERS PLATE 3.5 R	LAPPED 4.5 R 2.5 R	
BRIDGE DECK PLATE	" 2.5 "	" 2.5 R	
UPPER DECK	STIFFENERS PLATE 3.5 R	AT FURTHER SIZES STIFFENED 3.5 R	
UPPER DECK PLATE	" 2.5 R	LAPPED 2.5 R	
WE DECK STIFFENER PLATE	" 2.0 "	" 2.0 "	
" " PLATE	" 1.5 "	" 1.5 "	
WIP & W/L DECK	STIFFENER PLATE 1.5 R	" 1.5 R	
WIP & W/L DECK PLATE	" 1.5 "	" 1.5 "	
SEAM CONNECTION			
SHELL PLATING INCLUDING KEEL & BRIDGE SIDE PLATING 2 R			
THROUGHOUT EXCEPT 2 SEAMS TO BE 3 R 1 SEAM			
TO HAVE AN ADDITIONAL PAIR OF RIVETS AT			
ABOUT 1/2 IN FOR 1/4 IN LINE FOR 1/2 IN BODIES			
TANK TOP PLATING INCLUDING H/L STRAKE & MARGIN			
PL 2.5 THROUGHOUT			
ALL DECK PLATING INCLUDING STIFFENED PLATE			

	3RD DECK (E-DK)
STRINGER PLATE	54" x 34" - 42" x 34"
" ANGLE	3 1/2" x 3 1/2" x 3 1/2"
DECK PLATE	30" x 28" WHERE SHEATHED
" PLANK	AS PER DECK PLAN.
IN WAY OF OIL FUEL TANKS, ALSO IN WAY OF STEPPED	
W-T BMD REFER TO DECK PLAN.	

DOUBLE BOTTOM		* ALSO REFER TO THE SCANTINGS UNDER THE ENGINE SEATS	
CENTRE GIRDER	PLATE	3/8" L X 2" TENDS	TANK HEAD MEASURED ABOVE TOP OF KEEL * 1/2" IN ROOMS * 3/4" IN ENGINE ROOMS CENTRE GIRDERS UNDER MAIN ENGINE SEAT AS PER SPEC
	BOTTOM ANGLE	5" X 5/8" - 56" D. A.	
	TOP ANGLE	3" X 3/4" - 58" D. A.	
	VERTICAL ANGLE	3/8" X 5/8" 5. A.	
INT'L SIDE GIRDER	PLATE	48" 1	6" X 5/8" 5. A. IN ENGINE ROOMS *
	BOTTOM ANGLE	3/8" X 5/8" 5. A.	
	TOP ANGLE	5/8" X 5/8" 5. A.	
	VERTICAL ANGLE	5" X 4 1/2" 5. A.	
CONTINUOUS SIDE GIRDER	PLATE	48" 1	ALL SIDE GIRDERS CONTINUOUS THROUGH MAIN AUX ENGINE ROOMS & ONE SIDE GIRDER ONLY FITTING TO BULKHEAD
	BOTTOM ANGLE	3/8" X 5/8" 5. A.	
	TOP ANGLE	3/8" X 5/8" 5. A.	
	VERTICAL ANGLE	3/8" X 5/8" 5. A.	
FLOOR	PLATE	48" 1	SOLID FLOOR FITTED TO EVERY FRAME THROUGHOUT
	FRAME	3/8" X 3/8" 1/2" 5. A.	
	REV. BRACE	3/8" X 3/8" 1/2" 5. A.	
	STIFFENER	3/8" X 5/8" 5. A.	
W/L FLOOR	PLATE	54" - 48" 1	6" X 5/8" 5. A. IN ENGINE ROOMS *
	STIFFENER	3/8" X 5/8" 5. A.	
	MIL. STRAKE	6" X 6" - 50" 1	
	OTHER	4" - 48" 1	
INNER BOTTOM	MARGIN PLATE	64" 1	SPACED NOT MORE THAN 36" APART * 66" IN BULK HEAD * 66" IN ENGINE ROOMS * * 66" IN ENGINE ROOMS *
	W/L SHELL	3/8" X 3/4" 64" 5. A.	

FRAME BRACKET & MARGIN PLATE CONNECTION &C	
WHERE 47% DECK	IN WAY OF 14% DECK
TANK SIDE BRACKET	MARGIN ELATE (MARGIN PLATE)
DEPTH OF MARGIN PLATE	NOT LESS THAN 80" S. PLAINED
MARGIN PLATE ANGLE	80" S.
DO NOT BRACKET	6'-4" 5/8" S. 6'-6" 5/8" S.
MARGIN PLATE ANGLE	6'-9 3/8" S. 6'-9 3/8" S. 6'-9 3/8" S.
TO FLOOR PLATE	6'-9 3/8" S. 6'-9 3/8" S.
GUSSET PLATE	150" 150"
NO OF PLATE	15-78 D.R.V. 15-78 D.R.V. 15-78 D.R.V.
FRAME GUSSET PLATE	16-78 D.R.V. 14-78 D.R.V. 14-78 D.R.V.
	7-78 D.R.V. 12-78 D.R.V. —

PRINCIPAL DIMENSIONS		
LENGTH (L)		560' 0"
BREADTH (B)		72' 0"
DEPTH (D) TO UPPER DECK		42' 6"
" " BRIDGE "		51' 6"
" " PROMENADE DECK		60' 0"
DAUGHT EXTREME		90' 0"

SCANTLING NUMERALS		
1ST LONGITUDINAL NUMERAL	L x D	23 80
2ND "	L x (B+D)	64 120
PROPORTION TO UPPER DECK	$\frac{D}{B}$	13.18
" " BRIDGE "		10.87
" " PROMENADE "		9.33
FRAMING DEPTH IN WAYS OF SUP DECK		26 25
" " " " " "		26 25

[illegible]

SHELL PLATING

CEL	60° 96" - 86"
OTTOM PLATING (A-G)	72" - 58"
DE PLATING (H-N)	72" - 54"
IDGE SIDE PLATING (P-Q)	70" - 48"
OPPELLER BOSS PLATE (FURNACE PLATE)	86"

STRAKE TO BE INCREASED TO 100" AT BRIDGE END

" " " " " 100" " PROM OF END

FRAMING

SPACING - 24" IN BOTH DECKS AND CRUISER STEIN
37" PROMENADE BELOW TO COLLISION BOW
34" ELSEWHERE

IN WAY OF BOTH FRAMES AND CRUISER STEIN -
MAIN FRAME 5'-3 1/2" 40" A. EXTENDS TO UPPER MOST DE
IN WAY OF PROMENADE DECK
MAIN FRAME 5'-3 1/2" 40" A. EXTENDS TO PROMENADE DECK
AND CUT DOWN TO FIRM G-3 1/2" 40". BETWEEN UPPER AND
PROMENADE DECK AT ALTERNATE FRAME
CLEAR OF PROMENADE DECK
MAIN FRAME 5'-3 1/2" 40" A. EXTENDS TO BRIDGE DECK UPPER PLAT
AND CUT DOWN TO FIRM G-3 1/2" 40" A. ABOVE 2ND DECK AT LATH
3'-3" 34"

B. 3'-3" 34"

REVERSE FRAME -
IN WAY OF ENGINE ROOM B-3 1/2" 42" A. TO EVERY FRAME
EXTENDS TO 3RD DECK (DEPTH OF GIRDER 12")
IN WAY OF 4TH DECK 5'-3 1/2" 34" A. TO EVERY FRAME EXTENDS
TO 4TH DECK (DEPTH OF GIRDER 9") & TO 3RD DECK FORWARD OF 3RD PL
MAIN FRAME CUT & BRACED OR COLLARED AT W.T. & O.T. PLAT
IN WAY OF FORWARD CARGO SPACE
WEB FRAMES IN ENGINE ROOMS AND IN WAY OF PAINTING ARRANGEMENT
ALSO FRAMING IN WAY OF BOSSING AS PER PROFILE
IN WAY OF BOSSING
BUILD UP FRAMES 5'-3 1/2" 48" A. (G. FLANGE TO SHELL) WITH
7'-3 1/2" 48" A. REV. RAS. FORMING 7' DEPTH OF GIRDER

3RD & 4TH DECK

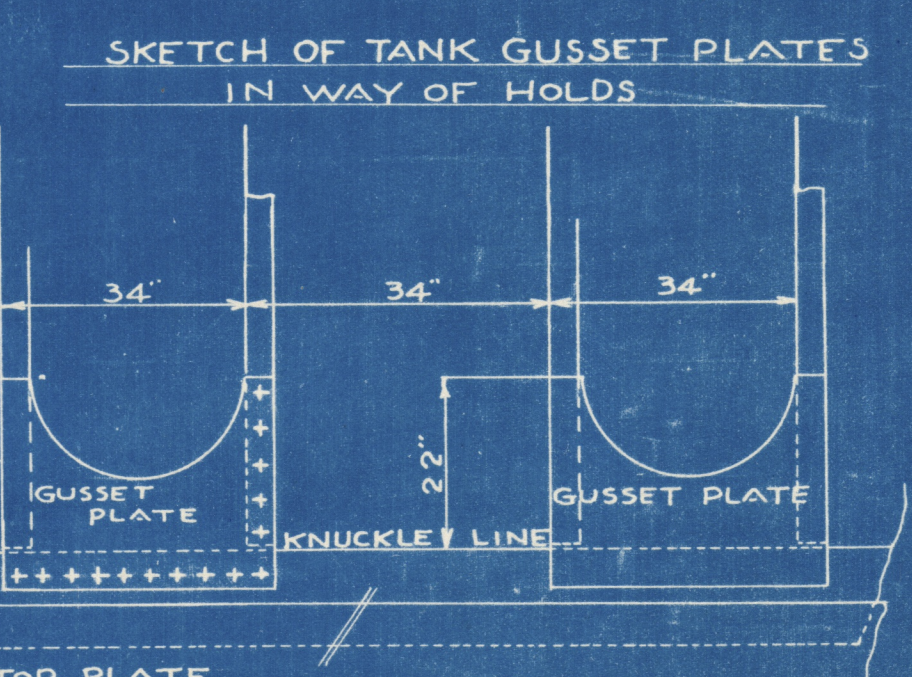
BEAM 8"3"x3"x34"CH.	FOR 16'-0" SPAN
8"x3"x34"CH.	" 18'-0" "

KNEE 27"x20"x52"

IN WAY OF W.T. & O.T. FLAT ETC. REFER TO DK PLAN

	4 TH DECK (F-D ^K)
STRINGER PLATE	54" x 34" - 42" x 34"
" " ANGLE	3 1/2" x 3 1/2" x .38" A.
DECK PLATE	.30"
IN WAY OF W.T. FLAT REFER TO DECK PLAN	

STRENGTHENING OF BOTTOM FORWARD
FOR FORWARD OF 3/8" TO RULE POSITION OF COLL. BWP
FRAME ANGLE 6" G-52A FROM MARGIN PLATE TO MARGIN
PLATE. PITCH OF RIVET IN FRAME 5/8" D.
HALF HEIGHT INTERCOSTAL SIDE GIRDER TO BE FITTED
AS PER CONSTRUCTION PLAN
BOTTOM PLATING A 5/8" C. TO HAVE MIDSHIP THICK.
3/4" MAINTAINED A 5/8" C. FROM 1ST





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LR-FAF-TB26-P-21

For new Rudder see
Plan attached to
Ylba Ref. No 6511



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